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MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

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www.miamidade.gov/pera/

DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

Leader Industries, Inc. P.O. Box 40913 Nashville, TN 37204

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model DC-HWD550 Aluminum Louver

APPROVAL DOCUMENT: Drawing No. 08-01058, titled "DC-HWD550 Aluminum Vertical Louver Mulled and Single Units" Sheets 1 through 12 of 12, dated 07/19/2010, with revision A dated 01/05/2011, prepared by Leader Industries, Inc, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA # 10-0920.16 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.

MIAMI-DADE COUNTY
APPROVED

04/25/2012

NOA No. 12-0208.11 Expiration Date: April 07, 2016 Approval Date: May 3, 2012

Page 1

Leader Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS "Submitted under NOA # 10-0920.16"

Drawing No. **08-01058**, titled "DC-HWD550 Aluminum Vertical Louver Mulled and Single Units" Sheets 1 through 12 of 12, dated 07/19/2010, with revision A dated 01/05/2011, prepared by Leader Industries, Inc, signed and sealed by Luis R. Lomas, P.E.

B. TESTS "Submitted under NOA # 10-0920.16"

- 1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of DC-HWD550 Aluminum Louver Systems", prepared by National Certified Testing Laboratories, Report No. **210-3692-1**, dated 06/14/2010, signed and sealed by Gerald J. Ferrara, P.E.

C. CALCULATIONS "Submitted under NOA # 10-0920.16"

1. Anchor calculations prepared by Luis R. Lomas, P.E., dated 07/20/2010 and 01/05/2011, signed and sealed by Luis R. Lomas, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

1. None.

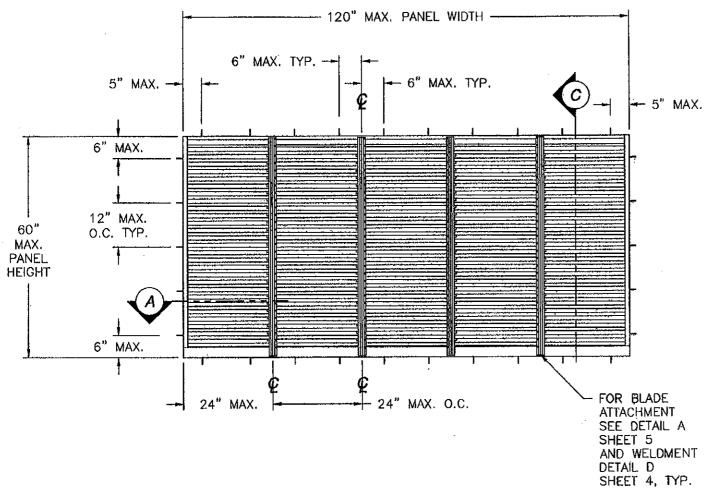
F. STATEMENTS

1. Statement letter of code conformance to 2010 FBC and no financial interest, dated 01/24/2012, issued, signed and sealed by Luis R. Lomas, P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 12-0208.11
Expiration Date: April 07, 2016

Approval Date: April 07, 2016 Approval Date: May 3, 2012

REVISIONS				
REV	DESCRIPTION	DATE	APPROVED	
A	PER DADE LETTER DATED 01-04-11	01/05/11	R.L.	



DC-HWD550 ALUMINUM SINGLE VERTICAL LOUVER INTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±120PSF	LARGE MISSILE IMPACT

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12-9208.11

By Miant Unde Product Control

NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
- 2) WOOD FRAMING, STEEL FRAMING AND CONCRETE OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND CONCRETE OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3) 1X BUCK OVER CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 4) ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN, WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 5) FRAME MATERIAL: EXTRUDED ALUMINUM 6063-T5 .080" THICK.
- 6) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 7) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
- 8) ALL FASTENERS TO BE CORROSION RESISTANT.
- 9) INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD MINIMUM SPECIFIC GRAVITY OF G=0.46
 - B. CONCRETE MINIMUM COMPRESSIVE STRENGTH OF 3,200 PSI.
 - C. STEEL 16GA. (.060") MINIMUM (WELDING INSTALLATION).
 - D. STEEL .1875" MINIMUM (3/8" MACHINE SCREW OR 3/8" BOLT AND NUT INSTALLATION).
 - E. STEEL 14GA. (.078") MINIMUM (5/16" SELF-TAPPING SCREW INSTALLATION).
- 10) LOUVER TO BE INSTALLED IN LOCATION WHERE ROOM HAS BEEN DESIGNED FOR WATER DRAINAGE, AND THE ROOM WILL HOUSE WATER RESISTANT OR WATER PROOF EQUIPMENT, COMPONENTS OR SUPPLIES.
- 11) LOUVER MAYBE INSTALLED WITH OR WITHOUT EAD DAMPER. SEE SECTION C SHEET 6.

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3	ELEVATION, ANCHORING AND NOTES
	BILL OF MATERIALS AND WELDMENT DETAILS
6	CROSS SECTIONS
9	INSTALLATION DETAILS
12	COMPONENTS
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LÉADER INDUSTRIES, INC.

2509 CRUZEN STREET NASHVILLE, TN 37211

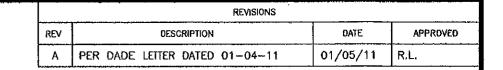
DC-HWD550 ALUMINUM VERTICAL LOUVER
MULLED AND SINGLE UNITS - LARGE MISSILE IMPACT
SINGLE ELEVATIONS, ANCHORING AND NOTES

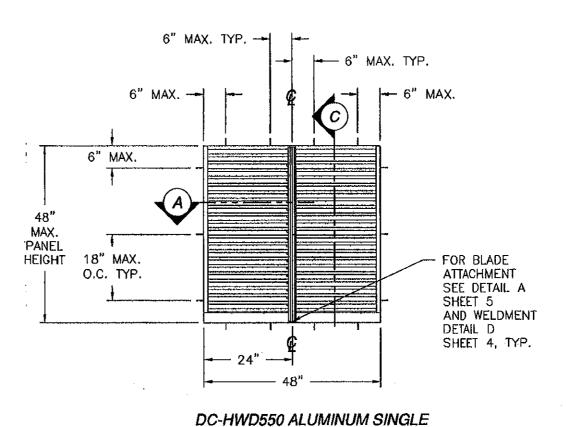
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SCALE NTS DATE 07/19/10 SHEET 1 OF 12

Luis R. Lomas P.E. Florida No. 82514

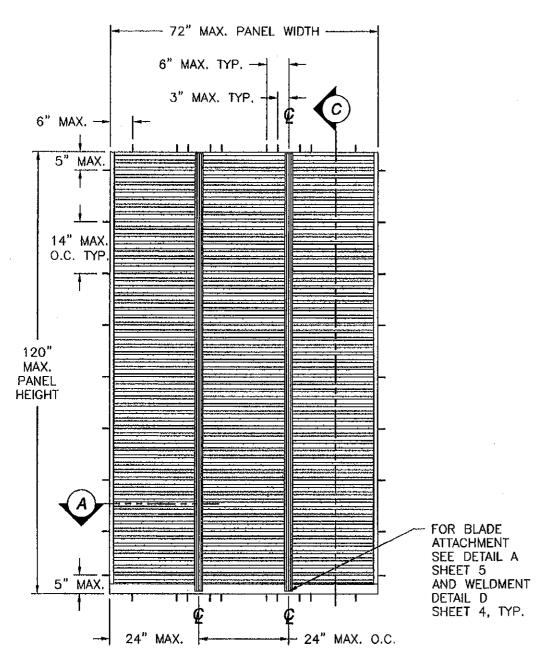
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VERTICAL I	LOUVER
INTERIOR	VIEW
 	

DESIGN PRESSURE RATING	IMPACT RATING
±180PSF	LARGE MISSILE IMPACT



DC-HWD550 ALUMINUM SINGLE VERTICAL LOUVER INTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±120PSF	LARGE MISSILE IMPACT

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12-0208, 11

LEADER INDUSTRIES, INC.

2509 CRUZEN STREET NASHVILLE, TN 37211

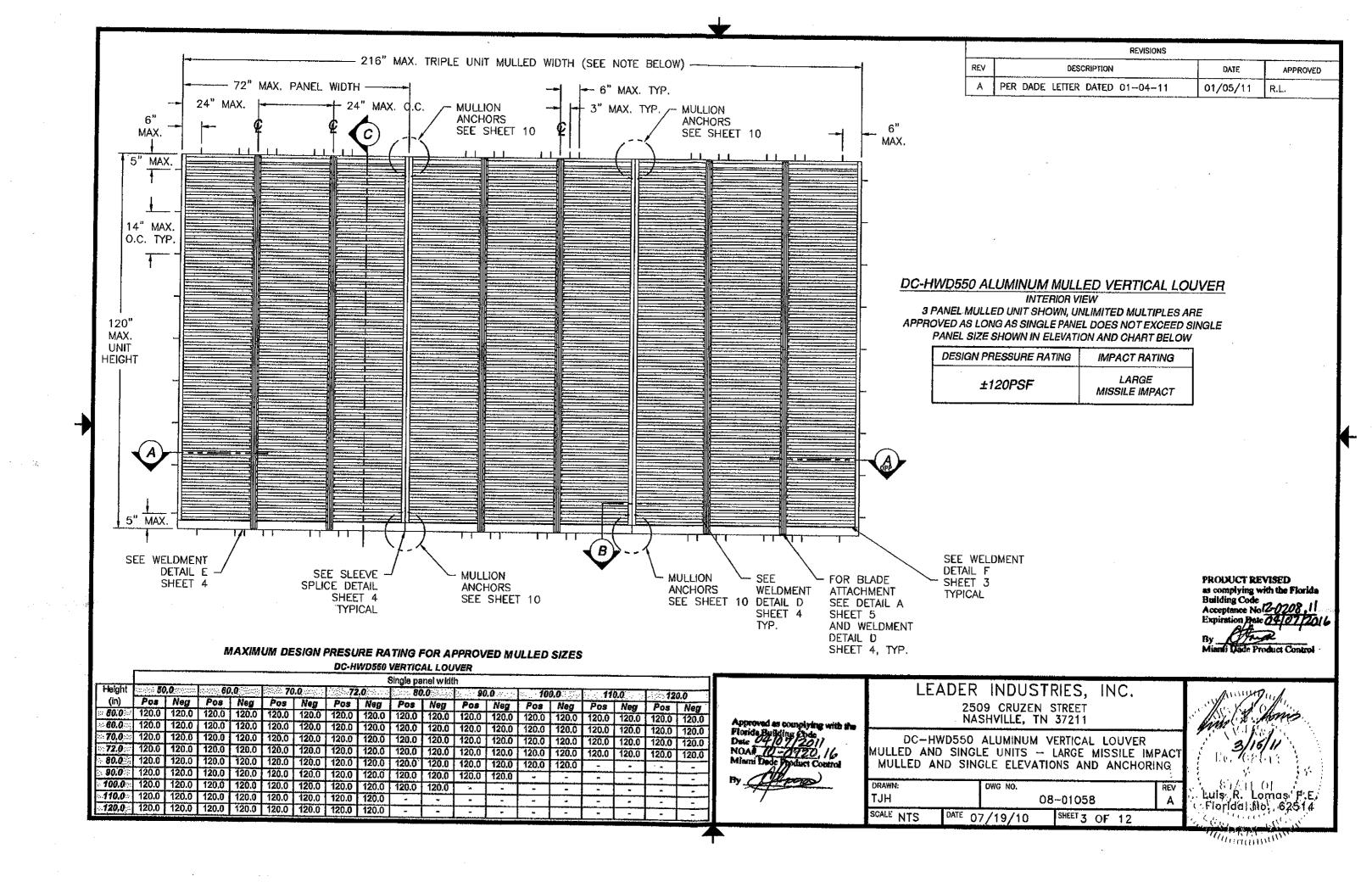
DC-HWD550 ALUMINUM VERTICAL LOUVER
MULLED AND SINGLE UNITS — LARGE MISSILE IMPACT
SINGLE ELEVATIONS, ANCHORING AND NOTES

DWG NO. DRAWN: TJH 08-01058 SCALE NTS DATE 07/19/10

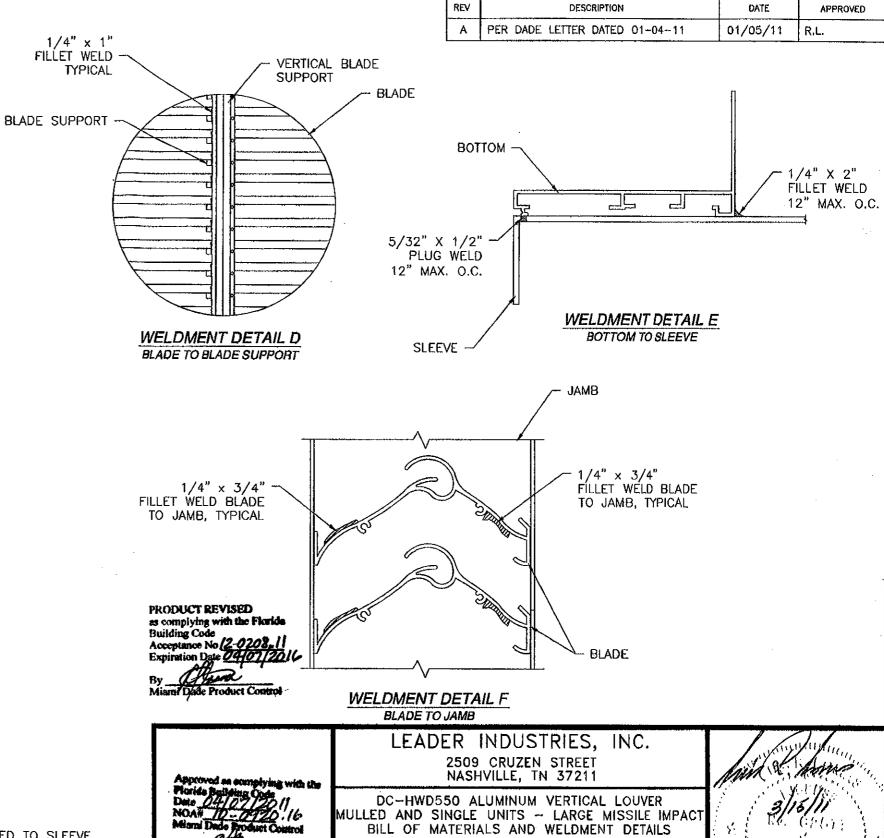
SHEET 2 OF 12

Luis R. Lornas P.E. Florida Nb. 62514

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NO. PART NUMBER DESCRIPTION MANUFACTURER MATERIAL					
1			PARTS LIST		
2	NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
3	_ 1	HWD550H	HWD550 HEAD	LEADER INDUSTRIES	ALUMINUM 6063-T5
HWD550B	2	HWD550B0	HWD550 BOTTOM	LEADER INDUSTRIES	ALUMINUM 6063-T5
1	3	HWD550J	HWD550 JAMB	LEADER INDUSTRIES	ALUMINUM 6063-T5
VERTICAL BLADE SUPPORT LEADER INDUSTRIES ALUMINUM 6063-TS	4	HWD550B	HWD550 BLADE	LEADER INDUSTRIES	ALUMINUM 6063-T5
INSTALLATION SLEEVE	5	HWD550BS	HWD550 BLADE SUPPORT	LEADER INDUSTRIES	ALUMINUM 6063-T5
8	6		VERTICAL BLADE SUPPORT	LEADER INDUSTRIES	ALUMINUM 6063-T5
9	7		INSTALLATION SLEEVE	LEADER INDUSTRIES	ALUMINUM 3003
10 C4X5.4 MULLION C-CHANNEL 2" x 4" x 1/4" x 3 1/2" CLIP #8 x 3/4" TEK SCREW 13 #12 x 1" TEK SCREW 14 1/2-13 x 1 1/2" HH BOLT 15 1/2-13 NUT 16 #10 x 3/4" TEK 2" x 2" x 3/16" CONTINUOUS ANGLE LEADER INDUSTRIES ALUMINUM 6063-TS 18 EAD DAMPER BLADE HAND QUADRANT LEADER INDUSTRIES ALUMINUM 6063-TS #14 x 7/8" TEK SCREW 21 EAD DAMPER HAT CHANNEL LEADER INDUSTRIES ALUMINUM 6063-TS #14 x 7/8" TEK SCREW EAD DAMPER HAT CHANNEL LEADER INDUSTRIES ALUMINUM 6063-TS #14 x 7/8" TEK SCREW	8		2" x 2" x 3/16" INSTALL ANGLE	LEADER INDUSTRIES	ALUMINUM 6063-T5
11	9		2" x 4" x 1/4" MULLION ANGLE	LEADER INDUSTRIES	ALUMINUM 6063-T5
#8 x 3/4" TEK SCREW	10	C4X5.4	MULLION C-CHANNEL	LEADER INDISTRIES	A36 STEEL
#12 x 1" TEK SCREW	11		2" x 4" x 1/4" x 3 1/2" CLIP	LEADER INDUSTRIES	ALUMINUM 6063-T5
14	12		#8 x 3/4" TEK SCREW		
15	13		#12 x 1" TEK SCREW		
#10 x 3/4" TEK 2" x 2" x 3/16" CONTINUOUS ANGLE LEADER INDUSTRIES ALUMINUM 6063-T5 EAD DAMPER BLADE LEADER INDUSTRIES ALUMINUM 6063-T5 HAND QUADRANT LEADER INDUSTRIES ALUMINUM 6063-T5 #14 x 7/8" TEK SCREW EAD DAMPER HAT CHANNEL LEADER INDUSTRIES ALUMINUM 6063-T5	14		1/2-13 x 1 1/2" HH BOLT		
2" x 2" x 3/16" CONTINUOUS ANGLE LEADER INDUSTRIES ALUMINUM 6063-T5 EAD DAMPER BLADE LEADER INDUSTRIES ALUMINUM 6063-T5 HAND QUADRANT LEADER INDUSTRIES ALUMINUM 6063-T5 #14 x 7/8" TEK SCREW EAD DAMPER HAT CHANNEL LEADER INDUSTRIES ALUMINUM 6063-T5	15		1/2-13 NUT		
18 EAD DAMPER BLADE LEADER INDUSTRIES ALUMINUM 6063-T5 19 HAND QUADRANT LEADER INDUSTRIES ALUMINUM 6063-T5 20 #14 x 7/8" TEK SCREW 21 EAD DAMPER HAT CHANNEL LEADER INDUSTRIES ALUMINUM 6063-T5	16		#10 x 3/4" TEK	***************************************	······································
18 EAD DAMPER BLADE LEADER INDUSTRIES ALUMINUM 6063-T5 19 HAND QUADRANT LEADER INDUSTRIES ALUMINUM 6063-T5 20 #14 x 7/8" TEK SCREW 21 EAD DAMPER HAT CHANNEL LEADER INDUSTRIES ALUMINUM 6063-T5	17		2" x 2" x 3/16" CONTINUOUS ANGLE	LEADER INDUSTRIES	ALUMINUM 6063-T5
20 #14 x 7/8" TEK SCREW 21 EAD DAMPER HAT CHANNEL LEADER INDUSTRIES ALUMINUM 6063-T5	18			***************************************	· ······
21 EAD DAMPER HAT CHANNEL LEADER INDUSTRIES ALUMINUM 6063-T5	19		HAND QUADRANT	LEADER INDUSTRIES	ALUMINUM 6063-T5
EDUCK INDUSTRIES / ILONATION 0000 10	20		#14 x 7/8" TEK SCREW		
	21		EAD DAMPER HAT CHANNEL	LEADER INDUSTRIES	ALUMINUM 6063-T5
22 EAD DAMPER BLADE STOP LEADER INDUSTRIES ALUMINUM 6063-T5	22		EAD DAMPER BLADE STOP	· · · · · · · · · · · · · · · · · · ·	



DWG NO.

DATE 07/19/10

08-01058

SHEET 4 OF 12

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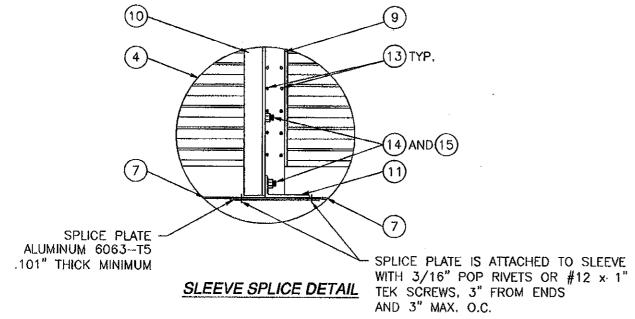
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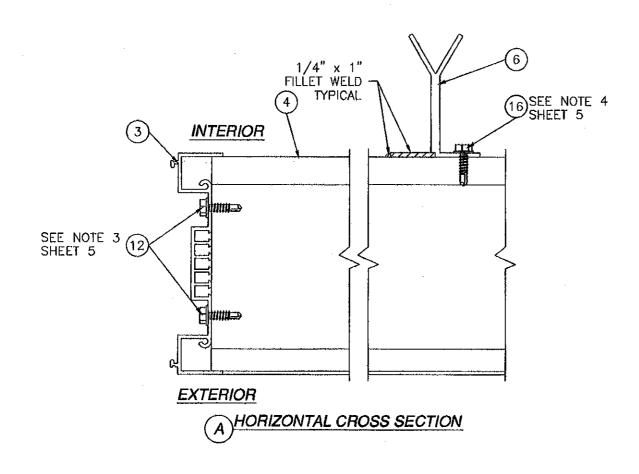
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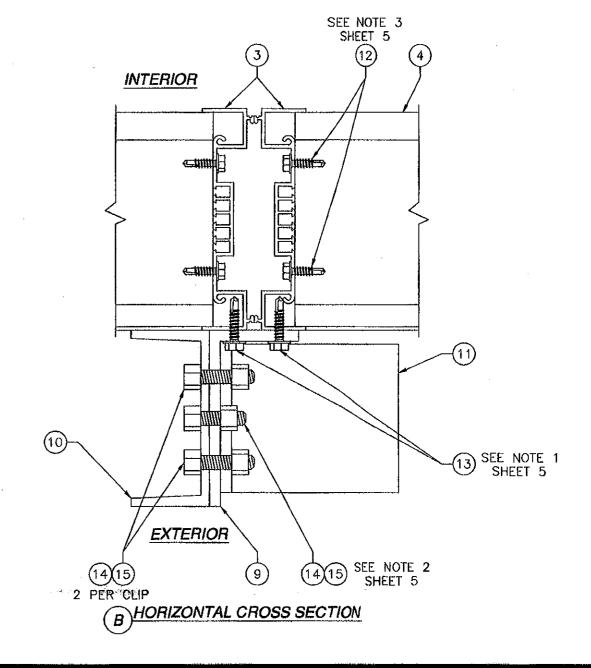
Luis R. Lomds P.E., Florida No. 62514

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	REVISIONS		
REV	DESCRIPTION	DATE	APPROVED
Α	PER DADE LETTER DATED 01-04-11	01/05/11	R.L.





NOTES:

- 1) LOCATE #12 x 1" TEK SCREW 6" FROM ENDS AND 6" MAXIMUM O.C. THEREAFTER.
- 2) LOCATE 1/2" BOLT AND NUT 6" FROM ENDS AND 12" MAXIMUM O.C. THEREAFTER.
- 3) INSTALL (2) #8 x 3/4" TEK SCREW PER BLADE LOCATION.
- 4) LOCATE #10 x 3/4" TEK SCREW ATTACHING VERTICAL BLADE SUPPORT TO UNIT 2" FROM ENDS AND 2" MAX. O.C. THEREAFTER.

PRODUCT REVISED
es complying with the Florida
Building Code
Acceptance No (2-0208.1)
Expiration Pate 04/07/20/6
By Miarti Dade Product Control

Approved an complying with the Florida Building Code
Date: 447/10/11/16
MOAN 110-19720.16
Minesi Dade Product Control

LEADER INDUSTRIES, INC.

2509 CRUZEN STREET NASHVILLE, TN 37211

DC-HWD550 ALUMINUM VERTICAL LOUVER
MULLED AND SINGLE UNITS - LARGE MISSILE IMPACT
CROSS SECTIONS

DRAWN: DWG NO. REV TJH 08-01058 A

SCALE NTS DATE 07/19/10 SHEET 5 OF 12

Luis R. Lomas P.E. Florida No. 62514

